SEQ LISTING SEQUENCE LISTING



<110> Communi, Didier
Boeynaems, Jean-Marie
Pirotton, Sabine
Parmentier, Marc

	Pirotton, Sabin Parmentier, Mar		,			
<120>	P2Y4 RECEPTOR	TRANSGENIC A	AND KNOCKOUT	NON-HUMAN	MAMMALS	
<130>	9409/2113C					
<140> <141>	10/811,192 2004-03-26					
<150> <151>	10/753,695 2004-01-08			ı		
<150> <151>	09/077,173 1998-11-12					
<150> <151>	PCT/BE96/00123 1996-11-21					
<150> <151>	EP 95870124.5 1995-11-21					
<160>	4					
<170>	PatentIn versi	on 3.1				
<210> <211> <212> <213>	1 1429 DNA Homo sapiens					
<400> aaggga	1 gctt gggtaggggc	caggctagcc	tgagtgcacc	cagatgcgct	tctgtcagct	60
ctccct	agtg cttcaaccac	tgctctccct	gctctacttt	ttttgctcca	gctcagggat	120
gggggt	gggc agggaaatcc	tgccaccctc	acttctcccc	ttcccatctc	caggggggcc	180
atggcc	agta cagagtcctc	cctgttgaga	tccctaggcc	tcagcccagg	tcctggcagc	240
agtgag	gtgg agctggactg	ttggtttgat	gaggatttca	agttcatcct	gctgcctgtg	300
agctat	gcag ttgtctttgt	gctgggcttg	ggccttaacg	ccccaaccct	atggctcttc	360
atcttc	cgcc tccgaccctg	ggatgcaacg	gccacctaca	tgttccacct	ggcattgtca	420
gacacc	ttgt atgtgctgtc	gctgcccacc	ctcatctact	attatgcagc	ccacaaccac	480
tggccc	tttg gcactgagat	ctgcaagttc	gtccgctttc	ttttctattg	gaacctctac	540
tgcagt	gtcc ttttcctcac	ctgcatcagc	gtgcaccgct	acctgggcat	ctgccaccca	600
cttcgg	gcac tacgctgggg	ccgccctcgc	ctcgcaggcc	ttctctgcct	ggcagtttgg	660
ttggtc	gtag ccggctgcct	cgtgcccaac	ctgttctttg	tcacaaccag	caacaaaggg	720
accacc	gtcc tgtgccatga	caccactcgg	cctgaagagt	ttgaccacta	tgtgcacttc	780
agctcg	gcgg tcatggggct	gctctttggc	gtgccctgcc Page	tggtcactct 1	tgtttgctat	840

SEQ LISTING

ggactcatgg	ctcgtcgcct	gtatcagccc	ttgccaggct	ctgcacagtc	gtcttctcgc	900
ctccgctctc	tccgcaccat	agctgtggtg	ctgactgtct	ttgctgtctg	cttcgtgcct	960
ttccacatca	cccgcaccat	ttactacctg	gccaggctgt	tggaagctga	ctgccgagta	1020
ctgaacattg	tcaacgtggt	ctataaagtg	actcggcccc	tggccagtgc	caacagctgc	1080
ctggatcctg	tgctctactt	gctcactggg	gacaaatatc	gacgtcagct	ccgtcagctc	1140
tgtggtggtg	gcaagcccca	gccccgcacg	gctgcctctt	ccctggcact	agtgtccctg	1200
cctgaggata	gcagctgcag	gtgggcggcc	acccccagg	acagtagctg	ctctactcct	1260
agggcagata	gattgtaaca	cgggaagccg	gcaagtgaga	gaaaagggga	tgagtgcagg	1320
gcagaggtga	gggaacccaa	tagtgatacc	tggtaaggtg	cttcttcctc	ttttccaggc	1380
tctggagaga	agccctcacc	ctgagggttg	ccacggaggc	agggatatc		1429

<210> 2 <211> 365 <212> PRT

<213> Homo sapiens

<400> 2

Met Ala Ser Thr Glu Ser Ser Leu Leu Arg Ser Leu Gly Leu Ser Pro $1 \hspace{1cm} 5 \hspace{1cm} 10 \hspace{1cm} 15$

Gly Pro Gly Ser Ser Glu Val Glu Leu Asp Cys Trp Phe Asp Glu Asp 20 25 30

Phe Lys Phe Ile Leu Leu Pro Val Ser Tyr Ala Val Val Phe Val Leu 35 40 45

Gly Leu Gly Leu Asn Ala Pro Thr Leu Trp Leu Phe Ile Phe Arg Leu 50 60

Arg Pro Trp Asp Ala Thr Ala Thr Tyr Met Phe His Leu Ala Leu Ser 70 75 80

Asp Thr Leu Tyr Val Leu Ser Leu Pro Thr Leu Ile Tyr Tyr Ala 85 90 95

Ala His Asn His Trp Pro Phe Gly Thr Glu Ile Cys Lys Phe Val Arg 100 105 110

Phe Leu Phe Tyr Trp Asn Leu Tyr Cys Ser Val Leu Phe Leu Thr Cys 115 120 125

Ile Ser Val His Arg Tyr Leu Gly Ile Cys His Pro Leu Arg Ala Leu 130 135 140 Page 2

SEQ LISTING

Arg Trp Gly Arg Pro Arg Leu Ala Gly Leu Leu Cys Leu Ala Val Trp 145 150 155 160 Leu Val Val Ala Gly Cys Leu Val Pro Asn Leu Phe Phe Val Thr Thr 165 170 175 Ser Asn Lys Gly Thr Thr Val Leu Cys His Asp Thr Thr Arg Pro Glu 180 185 190 Glu Phe Asp His Tyr Val His Phe Ser Ser Ala Val Met Gly Leu Leu 195 200 205 Phe Gly Val Pro Cys Leu Val Thr Leu Val Cys Tyr Gly Leu Met Ala 210 220 Arg Arg Leu Tyr Gln Pro Leu Pro Gly Ser Ala Gln Ser Ser Arg 235 230 235 Leu Arg Ser Leu Arg Thr Ile Ala Val Val Leu Thr Val Phe Ala Val 245 250 255 Cys Phe Val Pro Phe His Ile Thr Arg Thr Ile Tyr Tyr Leu Ala Arg 260 265 270 Leu Leu Glu Ala Asp Cys Arg Val Leu Asn Ile Val Asn Val Val Tyr 275 280 285 Lys Val Thr Arg Pro Leu Ala Ser Ala Asn Ser Cys Leu Asp Pro Val 290 295 300 Leu Tyr Leu Leu Thr Gly Asp Lys Tyr Arg Arg Gln Leu Arg Gln Leu 305 310 315 320 Cys Gly Gly Lys Pro Gln Pro Arg Thr Ala Ala Ser Ser Leu Ala 325 330 335 Leu Val Ser Leu Pro Glu Asp Ser Ser Cys Arg Trp Ala Ala Thr Pro 340 345 350 Gln Asp Ser Ser Cys Ser Thr Pro Arg Ala Asp Arg Leu 355 360 365

<210> 3

<211> 35

<212> DNA <213> artificial sequence

SEQ LISTING

<220> <223>	Primer for the second transmembrane region of human pyrimidine ceptor	re
	3 taga tactatgttc tacactctta cgtgc	35
<210> <211> <212> <213>	4 35 DNA artificial sequence	
<220> <223>	primer for seventh transmembrane region of human pyrimidine rector	сер
<400> tcttaa	4 gctt ggagtcacgt acgagcaagc tagtt	35